

WHAT IS CLAIMED IS:

1. An electro-optical device comprising:
  - a substrate;
  - a plurality of effective optical regions provided above the substrate;
  - electro-optical elements provided in the effective optical regions;
  - a wiring region provided on the substrate, wires to supply power or electric signals to the electro-optical elements being provided in the wiring region; and
  - at least three of the effective optical regions are in contact with ineffective-optical regions directly or via part of the wiring region, the electro-optical elements not provided in the ineffective-optical regions.
2. The electro-optical device according to claim 1, the plurality of effective optical regions further comprising:
  - a plurality of first effective optical regions in which first electro-optical elements are provided;
  - a plurality of second effective optical regions in which second electro-optical elements are provided, and
  - the ineffective optical region being arranged so as to be sandwiched by two of the first effective optical regions and so as to be sandwiched by two of the second effective optical regions.
3. An electro-optical device comprising:
  - a substrate;
  - a plurality of first effective optical regions provided above the substrate, first electro-optical elements being provided in the first effective optical regions;
  - a plurality of second effective optical regions provided above the substrate, second electro-optical elements being provided in the second effective optical regions; and
  - a plurality of ineffective optical regions provided above the substrate, no electro-optical elements being provided in the ineffective optical regions,
  - each of the ineffective optical regions being arranged so as to be sandwiched by two of the first effective optical regions and so as to be sandwiched by two of the second effective optical regions.
4. The electro-optical device according to claim 2, wherein the first effective optical regions or the second effective optical regions not arranged so as to be adjacent to each other.

5. The electro-optical device according to claim 2, the first effective optical regions and the second effective optical regions having the same shape.
6. The electro-optical device according to claim 2, the ineffective optical regions having anti-reflection members.
7. The electro-optical device according to claim 2, the first and second effective optical regions having respective electronic circuits to drive the electro-optical elements provided in the first and second effective optical regions.
8. The electro-optical device according to claim 2, at least one of the first optical regions and at least one of the second optical regions having respective electronic circuits to drive the electro-optical elements provided in another first effective optical region and another effective optical region.
9. The electro-optical device according to claim 2, the ineffective optical regions having electronic circuits to drive the electro-optical elements provided in at least one of the first effective optical regions and at least one of the second effective optical regions.
10. The electro-optical device according to claim 7, at least one of the effective optical regions being in contact with an ineffective optical region in which no electronic circuit is provided below an electrode provided in the effective optical region or the electrode is not provided above the electronic circuit.
11. An electro-optical device according to claim 7, further comprising:  
pixels provided so as to correspond to respective intersections of a plurality of scan lines and a plurality of data lines, the electronic circuits driving the electro-optical elements in accordance with scan signals from the scan lines and data signals from the data lines.
12. The electro-optical device according to claim 11, the electronic circuits comprising:  
first transistors to supply data signals during electrical conduction;  
capacitance elements to store, as an amount of charge, the data signals supplied from the first transistors; and  
second transistors to supply an amount of current corresponding to the electrical-conduction state to the electro-optical elements, the electrical-conduction state being controlled in accordance with the amount of charge stored by the capacitance elements.
13. The electro-optical device according to claim 2, the first electro-optical element and the second electro-optical element including two electro-optical elements

selected from an electro-optical element that emits green, an electro-optical element that emits blue, and an electro-optical element that emits red.

14. The electro-optical device according to claim 2, each of the first electro-optical elements and the second electro-optical elements being an electroluminescent element.

15. The electro-optical device according to claim 14, the electroluminescent element having a light-emitting layer that includes organic material.

16. An electro-optical device, comprising:  
a substrate;  
a plurality of first light-emitting regions provided above the substrate, first light-emitting films being provided in the first light-emitting regions;  
a plurality of second light-emitting regions provided above the substrate, second light-emitting films being provided in the second light emitting regions; and  
a plurality of non-luminous regions provided above the substrate, no light-emitting films being provided in the non-luminous regions,  
each of the non-luminous regions is arranged so as to be sandwiched by two of the first light-emitting regions and so as to be sandwiched by two of the second light-emitting regions.

17. The electro-optical device according to claim 16, the first light-emitting films or the second light-emitting films arranged so as to not be adjacent to each other.

18. The electro-optical device according to claim 16, the first light-emitting regions and the second light-emitting regions having the same shape.

19. The electro-optical device according to claim 16, the non-luminous regions having anti-reflection members.

20. The electro-optical device according to claim 16, the first and second light-emitting regions having respective electronic circuits to control light emission of the corresponding first and second light-emitting films.

21. The electro-optical device according to claim 16, at least one of the first and second light-emitting regions having an electronic circuit to control light emission of the first or second light-emitting film provided in another first or second light-emitting region.

22. The electro-optical device according to claim 16, the non-luminous region has an electronic circuit to control light emission of the first or second light-emitting film provided in at least one of the first and second light-emitting regions.

23. The electro-optical device according to claim 16, further comprising:  
pixels provided so as to correspond to respective intersections of a plurality of scan lines and a plurality of data lines, the electronic circuits for the corresponding pixels controlling light emission of the first or second light-emitting films in accordance with scan signals from the scan lines and data signals from the data lines.

24. The electro-optical device according to claim 16, the first light-emitting film and the second light-emitting film include two light-emitting films selected from a light-emitting film that emits green, a light-emitting film that emits blue, and a light-emitting film that emits red.

25. The electro-optical device according to claim 16, each of the first and second light-emitting films includes organic material.

26. An active matrix substrate comprising:  
a substrate;  
a plurality of element forming regions provided above the substrate, the element forming regions having electrodes to connect with electronic elements; and  
a wiring region provided above the substrate, wires to supply various electrical signals to the electronic elements via the electrodes being provided in the wiring region,  
at least three of the element forming regions being in contact with non-element-forming regions directly or via part of the wiring region, the electronic elements being not provided in the non-element-forming region.

27. An active matrix substrate comprising:  
a substrate;  
a plurality of first element forming regions provided above the substrate, first electro-optical elements being provided in the first element forming regions;  
a plurality of second element forming regions provided above the substrate, second electro-optical elements being provided in the second element forming regions; and  
a plurality of non-element-forming regions provided above the substrate, no electro-optical elements being provided in the non-element-forming regions,  
each of the non-element-forming regions being arranged so as to be sandwiched by two of the first element forming regions and so as to be sandwiched by two of the second element forming regions.

28. The active matrix substrate according to claim 26, the non-element forming regions having anti-reflection members.

29. The active matrix substrate according to claim 27, each of the first and second element forming regions has an electronic circuit to drive the first or second electro-optical element that is provided therein.

30. The active matrix substrate according to claim 27, at least one of the first and second element forming regions has an electronic circuit to drive the electro-optical element that is provided in another first or second element forming region.

31. The active matrix substrate according to claim 27, the non-element-forming region having an electronic circuit to drive the electro-optical element that is provided in at least one of the first and second element forming regions.

32. An electronic apparatus, comprising:  
the electro-optical device according to claim 1.

33. An electronic apparatus, comprising:  
the active matrix substrate according to claim 26.